

## CUE, SUPER-SHAFT

### ABSTRACT

A Billiard, Pool or Snooker Cue shaft section, characterized by the small tapered end to which a leather cue tip is affixed. The leather tipped shaft section is stiffened and held from warping by incorporating multiple opposing inlays. The integrity of the solid wood core is enhanced.

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## CUE, SUPER-SHAFT

### BACKGROUND OF THE INVENTION

The invention pertains generally to shaft sections of Billiard, Pool and Snooker Cues, see FIGURE 1, SUPER-SHAFT 1/4 SCALE. More specifically to (3) three or more opposing multiple wood inlays on the shaft section of the Cue. See FIGURE 2 SUPER-SHAFT DETAILS, full scale sections DETAIL A & B and full scale end views DETAIL C & D. These multiple wood inlays can be incorporated on single piece Cues with the same benefits.

The invention possesses numerous benefits and advantages over the present day Cue or Cue shaft. In particular, the invention utilizes multiple opposing wood inlays to stiffen the shaft while maintaining a solid wood core, this reinforces the solid core shaft integrity so it will; reduce flex when striking the Cue Ball off center; not warp; provides overall Cue balance potential by using different inlay woods; the tip of the reinforced Cue can also be turned or machined to a smaller diameter, (9.3 -9.5 mm or .366 - .375inches) providing greater flexibility for improved Cue Ball draw or in Billiard language more English on the Cue Ball; and overall, with different wood species, improves the appearance of the Cue with a balanced shaft and butt wood finish.

## BRIEF DESCRIPTION OF THE DRAWINGS

FIGURE 1 is a 1/4 scale front plan view of the super-shaft of the present invention; A 1/4 scale was used to show the entire length of the Shaft.

FIGURE 2. Comprises of four (4) full scale details; A, B, C, & D  
Detail A is a cut of the Shaft tip section, full scale front plan view of the super-shaft;  
Detail B is a cut of Shaft to Butt end section, full scale front plan view of the super-shaft;  
Detail C is a full scale end view of the tip without the brass sleeve and leather tip;  
Detail D is a full scale end view of the Shaft to Butt assembly with no mounting screw details;

## HISTORY OF THE CUE

The original cue was introduced during the early part of the 19<sup>th</sup> century, this was a single long tapered solid wood shaft and butt assembly to which a leather tip was attached. The leather tip was a major technical advancement. The Cue tip would now hold a chalk surface to increase friction between the cue tip and the cue ball. This increased friction improved Cue ball action or desired spin on the cue ball for control and position roll. The 20<sup>th</sup> century introduced the (2) two piece cue for ease of transportation. This cue consists of a shaft section and a butt section which uses a screw arrangement to connect them to each other to make a full length cue. The shaft section to this date has not changed. Wood is still the preferred material by the serious and professional player. Fiberglass and graphite shafts are available but do not provide the resilience or feel of a wood shaft.